

What is claimed is:

- ✓ 1. A transparent polyester film comprising at least one flame retardant which is soluble in the polyester and is fed directly by way of masterbatch technology during film production, where the masterbatch was obtained by gradual heating at subatmospheric pressure, with stirring.
2. The polyester film as claimed in claim 1, wherein the film comprises a hydrolysis stabilizer.
3. The polyester film as claimed in claim 1, wherein the gradual heating at subatmospheric pressure, with stirring, is directly followed by drying at constant, elevated temperature, likewise at subatmospheric pressure.
4. The polyester film as claimed in claim 1, wherein the flame retardant is selected from one or more organic phosphorus compounds.
5. The polyester film as claimed in claim 2, wherein the hydrolysis stabilizer is selected from the group consisting of phenolic hydrolysis stabilizers, alkali metal/alkaline earth metal stearates and/or alkali metal/alkaline earth metal carbonates.
6. The polyester film as claimed in claim 1, wherein the film comprises from 0.5 to 30.0% by weight of flame retardant.
7. The polyester film as claimed in claim 2, wherein the film comprises from 0.1 to 1.0% by weight of hydrolysis stabilizer.

8. The polyester film as claimed in claim 1 or 2, wherein the film has two or more layers and comprises a base layer and at least one outer layer.
9. The polyester film as claimed in claim 8, wherein the flame retardant is present in the outer layer.
10. The polyester film as claimed in claim 9, wherein from 0.5 to 30% by weight (based on the weight of the outer layer) of the flame retardant is present in the outer layer.
11. The polyester film as claimed in claim 8, wherein the hydrolysis stabilizer is present in the outer layer.
12. The polyester film as claimed in claim 11, wherein from 0.1 to 1.0% by weight (based on the weight of the respective outer layer) of the hydrolysis stabilizer is present in the outer layer.
13. The polyester film as claimed in claim 1, wherein the film comprises recycled material.
14. The polyester film as claimed in claim 1, wherein the film has a surface gloss, measured according to DIN 67530 (measurement angle 20°), of greater than 100.
15. The polyester film as claimed in claim 1, wherein the film has a luminous transmittance L, measured according to ASTM D 1003, of more than 80%.
16. The polyester film as claimed in claim 1, wherein the haze of the film, measured according to ASTM D 1003, is less than 20%.

17. The polyester film as claimed in claim 1, wherein the film has a Yellowness Index of  $< 10$ .

18. A process for producing the polyester film as claimed in claim 1, in which a polyester melt is fed to an extrusion die, or to produce a film having two or more layers, polyester melts corresponding to the compositions of the outer and base layers are fed to a coextrusion die, and extruded from the die onto a chill roll, and the resultant prefilm is then biaxially oriented and heat-set, where the polyester comprises at least one flame retardant which is soluble in the polyester and which is fed directly by way of masterbatch technology during film production, and where the masterbatch was obtained by gradual heating at subatmospheric pressure, with stirring.

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